ataaaaaaaa	cagtcgttgg	ggccagtagg	atgttctggc	taatottttt	cataccactt	60
cttcttacac	tetaccesa	casacccaca	catgccctgg	CACCCGGATC	gagecgagtt	120
anactattta	accaccagaa	ctcgaaggtg	ccatttgaaa	aggggggaa	agtcaccgag	180
cacattatco	actcottcco	cerecease	cttgttaatg	togacogggt	gatggttgcc	240
ategemaca	ctcactacas	aacatccaat	gacaactccc	tcattgatac	ggtggcgaag	300
tecegoggacy	acqatqqqqa	gacgtgggag	acccaeattg	ccatcaagaa	cagtegtgea	360
teatetett	ctcatataat	duateceses	gtgattgtga	agggaacaa	gctttacgtc	420
ctaattaass	actacaacaa	ttcgaggagg	tactggacgt	cacataataa	tacasasas	480
teggetggaa	tacttaccat	taatasaata	acgaagtcca	ctacaaacaa	candataact	540
acasatates	22tadadaga	ccccatates	ctgaaggaat	ttttcccgc	ggaaatggaa	600
gogagoacoa	casatcaatt	tettageagt	gcaggtgttg	ccattotooc	gtccaacggg	660
astettetet	ecctataca	cottagoggo	aaaaagaagc	aagtttttc	caagatette	720
tactcacaaa	acceegggea	gacatagaaa	tttggggagg	otaggagtga	ttttaactac	780
teterageag	terceettes	Atagas agaa	aagctcatca	tanacactco	acttoactat	840
cocyaaccty	tastatacas	atecaataac	atggggaatt	cataggtaga	aactatcaac	900
cyccyccycc	-tatatataaa	sceteres	aaatcgaacc	2466644684	tcagaggagg	960
acgeteteac	gracacagag		attatactct	teacacacac	actanattt	1020
ttcactgccg	tgaccatcga	gggaatgegt	gttatgctct	constance	acacatttat	1080
aagggaaggc	ggetgege	ccgactgaac	ctctggctga	cygacaacca	cotatecas	1140
aacgttgggc	aagtatccat	eggegaegaa	aattccgcct	acageteege	cctytatay	1200
gatgataagc	tgtactgttt	gcatgagatc	aacagtaacg	aggigiacag	cettgettet	1260
acacacctaa	rrggcgagcr	acggatcatt	aaatcagtgc	rgeagreery	gaagaaccgg	1320
gacagccacc	tgtccagcat	ttgcacccct	gctgatccag	ecgettegte	gccagagcgc	1380
ggttgtggtc	ccgctgtcac	cacggttggt	cttgttggct	ttttgtcgca	cagtgccacc	1440
aaaaccgaat	gggaggatgc	gtaccgctgc	gtcaacgcaa	gcacggcaaa	cgcggagagg	1500
gttccgaacg	gtttgaagtt	racadadarr	ggcggagggg	cdccccddcc	ggcgagccag	
caggggcaga	atcaacggta	tcactttgca	aaccacgcgt	tcacgctggt	adcarcaara	1560
acgattcacg	aggttccgag	cgtcgcgagt	cctttgctgg	dededadece	ggactettet	1620
ggtggcaaaa	aactcctggg	gctctcgtac	gacgagaagc	accageggea	gccaatatac	1680
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cttacgatgg	cgaataaaat	tggttcggtg	tacattgatg	gagaacctct	ggagggttca	1800
addcadacca	ttgtgccaga	cdddaddacd	cctgacatct	CCCACTTCTA	carradcada	1860
tatggaagga	gtgatatgcc	aaccataagc	cacgtgacgg	tgaataatgt	CCCCCCCCC	1920
aaccgtcagc	tgaatgccga	ggagatcagg	accttgttct	tgagccagga	cctgattggc	1980
acggaagcac	acatgggcag	cagcagcggc	agcagtgccc	acagtacgcc	CTCAACTCCC	2040
gctgacaacg	dtgcccacag	tacgccctca	actcccgctg	acagcagtgc	ccacagtacg	2100
ccctcaactc	ccgctgacag	cagtgcccac	agtacgccct	cagctcccgg	tgacaacggt	2160
gcccacagta	cgccctcgac	teceggtgae	agcagtgccc	acagtacgcc	CTCAACTCCC	2220
gctgacaacg	gtgcccacag	tacgccctca	getecegetg	acagcaatgc	ccacagtacg	2280
ccctcgactc	ccgctgacaa	cggtgcccac	agtacgccct	caactcccgc	tgacaacggt	2340
gcccacagta	cgccctcgac	tcccggtgac	aacggtgccc	acagtacgcc	ctcgactccc	2400
ggtgacagca	gtgcccacag	tacgccctca	actcccgctg	acaacggtgc	ccacagtacg	2460
ccctcagctc	ccgctgacag	caatgcccac	agtacgccct	cgactcccgg	tgacaacggt	2520
gcccacagta	cgccctcagc	tecegetgae	agcaatgccc	acagtacgcc	ctcgactccc	2580
gctgacagca	gtgccacag	tacgccctca	geteceggtg	acaacggtgc	ccacagtacg	2640
ccctcagete	ccactagicag	cagtgcccac	agtacgccct	cageteeegg	tgacaacggt	2700
gcccacagta	cocctcage	tecegetgae	aacggtgccc	acagtacgcc	ctcagctccc	2760
ggtgacagca	atgcccacag	tacgccctcg	actecegetg	acagcagtgc	ccacagtacg	2820
ccctcaactc	ccgctgacag	cagtgcccac	agtacgccct	cagctcccgg	tgacaacggt	2880
gcccacagta	cgccctcagc	tecegetgae	agcagtgccc	acagtacgcc	ctcaattccc	2940
ggtgacagca	gtgcccacag	tacgccctca	gctcccgctg	acagcagtgc	ccacagtacg	3000
ccctcagctc	ccggtgacaa	cggtgcccac	agtacgccct	cgactcccgc	tgacaacggc	3060
gctaatggta	cggttttgat	tttgcacgat	ggcgctgcat	tttcggcctt	ttcgggcgga	3120
gggcttčttt	tgtgtgcggg	tgctttgctg	ctgcacgtgt	tcgttatggc	agttttttc	3180
tga						3183

FIG. 1

LL

MGKTVVGASRMFWLMFFVPLLLALCPSEPAHALAPGSSRVELFK RQSSKVPFEKGGKVTERVVHSFRLPALVNVDGVMVALADARYETSNDNSLIDTVAKYS **VDDGETWETQIAIKNSRASSVSRVVDPTVIVKGNKLYVLVGSYNSSRSYWTSHGDARD** WDILLAVGEVTKSTAGGKITASIKWGSPVSLKEFFPAEMEGMHTNQFLGGAGVAIVAS NGNLVYPVQVTNKKKQVFSKIFYSEDEGKTWKFGEGRSDFGCSEPVALEWEGKLIINT RVDYRRRLVYESSDMGNSWVFAVGTLSRVWGPSPKSNQPGSQSSFTAVTIEGMRVMLF THPLNFKGRWLRDRLNLWLTDNQRIYNVGQVSIGDENSAYSSVLYKDDKLYCLHEINS NEVYSLVFARLVGELRIIKSVLQSWKNWDSHLSSICTPADPAASSSERGCGPAVTTVG LYGFLSHSATKTEWEDAYRCVNASTANAERVPNGLKFAGVGGGALWPVSQQGQNQRYH FÄNHAFTLVASVTIHEVPSVASPLLGASLDSSGGKKLLGLSYDEKHQWQPIYGSTPVT PIGSWEMGKRYHVVLTMANKIGSVYIDGEPLEGSGQTVVPDGRTPDISHFYVGGYGRS DMPTISHVTVNNVLLYNRQLNAEEIRTLFLSQDLIGTEAHMGSSSGSSAHSTPSTPAD NGAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSTPGDSSAHSTPSTP ADNGAHSTPSAPADSNAHSTPSTPADNGAHSTPSTPADNGAHSTPSTPGDNGAHSTPS TPGDSSAHSTPSTPADNGAHSTPSAPADSNAHSTPSTPGDNGAHSTPSAPADSNAHST **PSTPADSSAHSTPSAPGDNGAHSTPSAPADSSAHSTPSAPGDNGAHSTPSAPADNGAH** STPSAPGDSNAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSAPADSS AHSTPSIPGDSSAHSTPSAPADSSAHSTPSAPGDNGAHSTPSTPADNGANGTVLILHD **GAAFSAFSGGGLLLCAGALLLHVFVMAVFF**

FIG. 2

agtgcctga

atgctggcac ccggatcgag ccgagttgag ctgtttaagc ggcaaagctc gaaggtgcca

tttgaaaagg acggcaaagt caccgagcgg gttgtccact cgttccgcct ccccgccctt gttaatgtgg acggggtgat ggttgccatc gcggacgctc gctacgaaac atccaatgac aactccctca ttgatacggt ggcgaagtac agcgtggacg atggggagac gtgggagacc caaattgcca tcaagaacag tcgtgcatcg tctgtttctc gtgtggtgga tcccacagtg attgtgaagg gcaacaagct ttacgtcctg gttggaagct acaacagttc gaggagctac tggacgtcgc atggtgatgc gagagactgg gatattctgc ttgccgttgg tgaggtcacg aagtccactg cgggcggcaa gataactgcg agtatcaaat gggggagccc cgtgtcactg aaggaatttt ttccggcgga aatggaagga atgcacacaa atcaatttct tggcggtgca ggtgttgcca ttgtggcgtc caacgggaat cttgtgtaco ctgtgcaggt tacgaacaaa aagaagcaag ttttttccaa gatcttctac tcggaagacg agggcaagac gtggaagttt gggaagggta ggagcgcttt tggctgctct gaacctgtgg cccttgagtg ggaggggaag ctcatcataa acactcgagt tgactatcgc cgccgtctgg tgtacgagtc cagtgacatg gggaattegt ggetggagge tgteggeaeg eteteaegtg tgtggggeee eteaecaaaa tcgaaccagc ccggcagtca gagcagcttc actgccgtga ccatcgaggg aatgcgtgtt atgetettea cacacceget gaattttaag ggaaggtgge tgegegaeeg aetgaacete tggctgacgg ataaccagcg catttataac gttgggcaag tatccattgg tgatgaaaat tccgcctaca gctccgtcct gtacaaggat gataagctgt actgtttgca tgagatcaac agtaacgagg tgtacagcct tgtttttgcg cgcctggttg gcgagctacg gatcattaaa tcagtgctgc agtcctggaa gaattgggac agccacctgt ccagcatttg caccctgct gatccagccg cttcgtcgtc agagcgtggt tgtggtcccg ctgtcaccac ggttggtctt gttggctttt tgtcgcacag tgccaccaaa accgaatggg aggatgcgta ccgctgcgtg aacgcaagca cggcaaatgc ggagagggtt ccgaacggtt tgaagtttgc gggggttggc ggaggggggc tttggccggt gagccagcag gggcagaatc aacggtatcg ctttgcaaac cacgegttea cegtggtgge gteggtgaeg atteaegagg tteegagegt egegagteet ttgctgggtg cgagcctgga ctcttctggt ggcaaaaaac tcctggggct ctcgtacgac gagaggcacc agtggcagcc aatatacgga tcaacgccgg tgacgccgac cggatcgtgg gagatgggta agaggtacca cgtggttctt acgatggcga ataaaattgg ctccgagtac attgatggag aacctctgga gggttcaggg cagaccgttg tgccagacga gaggacgcct gacatetece aettetaegt tggegggtat aaaaggagtg atatgeeaac cataageeac gtgacggtga ataatgttct tctttacaac cgtcagctga atgccgagga gatcaggacc ttgttcttga gccaggacct gattggcacg gaagcacaca tggacagcag cagcgacacg

MLAPGSSRVELFKRQSSKVPFEKDGKVTERVVHSFRLPALVNVD
GVAVALADARYETSNDNSLIDTVAKYSVDDGETWETQLAIKNSRASSVSRVVDPTVIV
KGNKLYVLVGSYNSSRSYWTSHGDARDWDILLAVGEVTKSTAGGKITASIKWGSPVSL
KEFFPAEMEGMHTNQFLGGAGVALVASNGNLVYPVQVTNKKKQVFSKIFYSEDEGKTW
KEGKGRSAFGCSEPVALEWEGKLIINTRVDYRRRLVYESSDMGNSWLEAVGTLSRVWG
PSPKSNQPGSQSSFTAVTIEGMRVMLFTHPLNFKGRWLRDRLNLWLTDNQRIYNVGQV
SIGDENSAYSSVLYKDDKLYCLHEINSNEVYSLVFARLVGELRIIKSVLQSWKNWDSH
LSSICTPADPAASSSERGCGPAVTTVGLVGFLSHSATKTEWEDAYRCVNASTANAERV
PNGLKFAGVGGGALWPVSQQGQNQRYRFANHAFTVVASVTIHEVPSVASPLLGASLDS
SGGKKLLGLSYDERHQWQPIYGSTPVTPTGSWEMGKRYHVVLTMANKIGSEYIDGEPL
EESGQTVVPDERTPDISHFYVGGYKRSDMPTISHVTVNNVLLYNRQLNAEEIRTLFLS
QDLIGTEAHMDSSSDTSA

FIG. 4

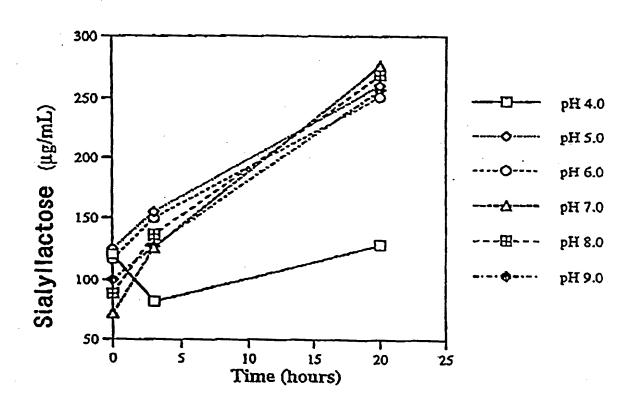


FIG. 5

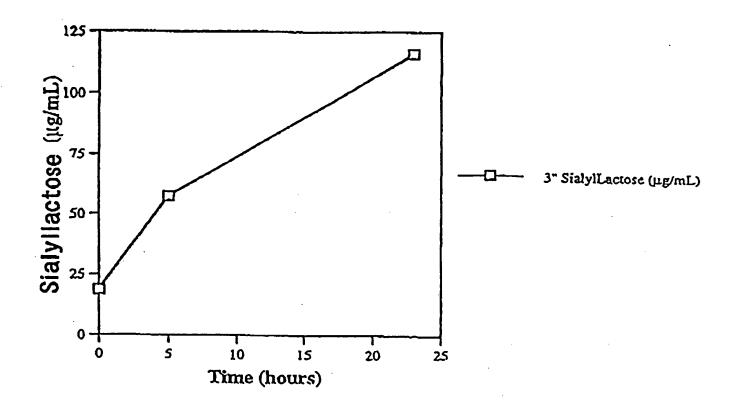


FIG. 6

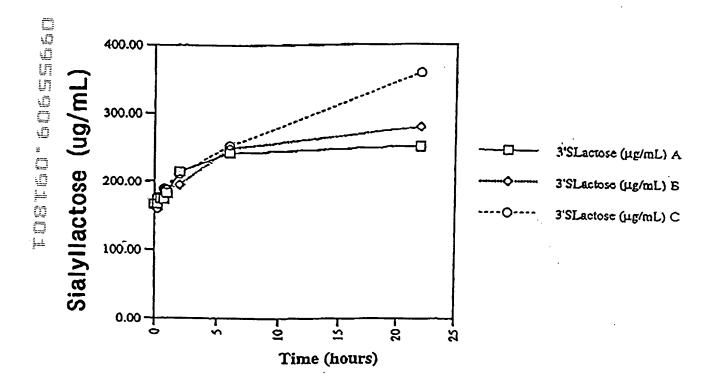


FIG. 7A

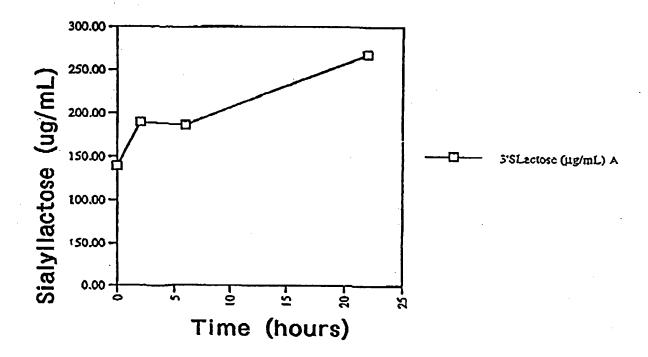


FIG. 7B

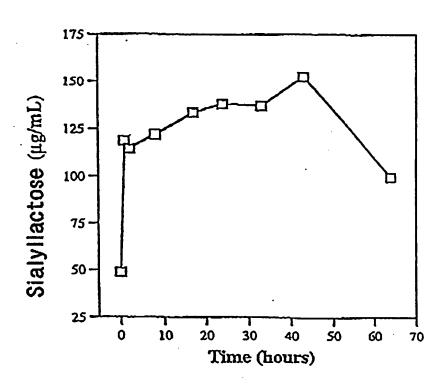


FIG. 8

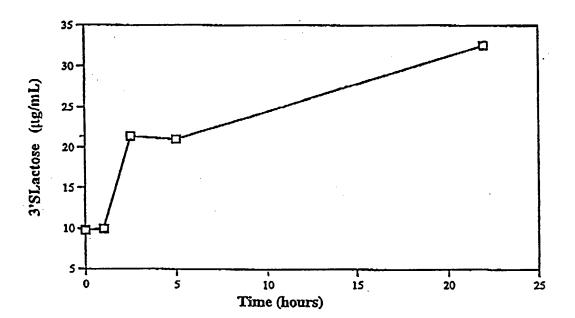


FIG. 9